

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

esr

3

PUBLICATION NUMBER : 08284279
PUBLICATION DATE : 29-10-96

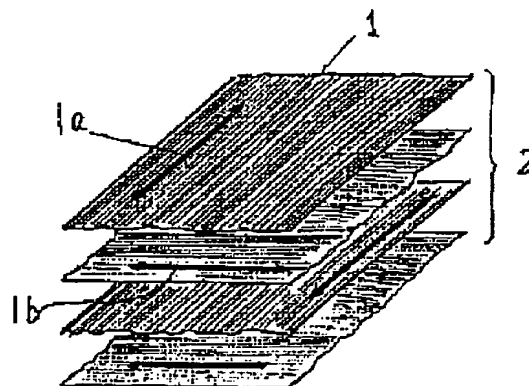
APPLICATION DATE : 13-04-95
APPLICATION NUMBER : 07112313

APPLICANT : TOYO ELECTRIC MFG CO LTD;

INVENTOR : MURAMATSU KAZUO;

INT.CL. : E04B 1/86 G10K 11/162 // B32B 15/14

TITLE : SOUND ABSORBING MATERIAL
MANUFACTURING METHOD OF
ALUMINUM FIBER



ABSTRACT : PURPOSE: To improve a sound absorbing characteristic by laminating a galvanized aluminium mat, regulating thickness by compression and applying spot welding with an interval of measurement of a specified range.

CONSTITUTION: An about 2mm thick mat 2 of four layers fiber directions of which are cross by 90° by aligning aluminum long fiber 1 in the fiber aligning directions 1a, 1b. A uniform nickel film is formed on the surface of the fiber by processing the mat 2 faired by electrolytically galvanizing cobalt, its alloy, chrome and iron. Thereafter, a porous sheet is made by pressure forming it by means of laminating five pieces of the nickel plated mats 2. It is possible to mold the sheet by compression after laminating 15-30mm end parts alternately at the time of laminating the mats 2. Spot welding is applied on this sheet with an interval of 15-30mm in size and a state of compression molding is fixed.

COPYRIGHT: (C)1996,JPO

BEST AVAILABLE COPY